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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Qinghua Li et al.

Title: SIGNAL RECEPTION APPARATUS, SYSTEMS, AND METHODS

Docket No.: 884.C50US1

Serial No.: 10/814,853

Filed: March 30, 2004

Due Date: N/A

Examiner: Unknown

Group Art Unit: 2661

**MS Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

☒ Return postcard.

☒ Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 3 cited documents.

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

By: Ann M. McCrackin  
Atty: Ann M. McCrackin  
Reg. No. 42,858

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 25th day of October, 2005.

JAMES KANYOSIK  
Name

James Kanyosik  
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)

S/N 10/814,853



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Qinghua Li et al.	Examiner:	Unknown
Serial No.:	10/814,853	Group Art Unit:	2661
Filed:	March 30, 2004	Docket:	884.C50US1
Title:	SIGNAL RECEPTION APPARATUS, SYSTEMS, AND METHODS		
Assignee:	Intel Corporation	Customer Number:	21186

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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Customer No.: 21186

Serial No :10/814,853

Filing Date: March 30, 2004

Title: SIGNAL RECEPTION APPARATUS, SYSTEMS, AND METHODS

Assignee: Intel Corporation

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Dkt: 884.C50US1 (INTEL)

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of the Published Application cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

QINGHUA LI ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
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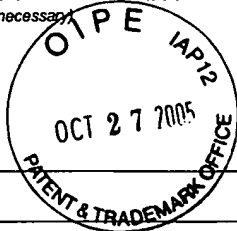
Date Oct. 25, 2005 By Ann M. McCrackin  
Ann M. McCrackin  
Reg. No. 42,858

**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 25th day of October, 2005.

JAMES KANYUSIK  
Name

[Signature]  
Signature

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><i>Complete if Known</i></td> </tr> <tr> <td style="width: 40%;">Application Number</td> <td>10/814,853</td> </tr> <tr> <td>Filing Date</td> <td>March 30, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Li, Qinghua</td> </tr> <tr> <td>Group Art Unit</td> <td>2661</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> </table>	<i>Complete if Known</i>		Application Number	10/814,853	Filing Date	March 30, 2004	First Named Inventor	Li, Qinghua	Group Art Unit	2661	Examiner Name	Unknown
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First Named Inventor	Li, Qinghua												
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Sheet 1 of 1	Attorney Docket No: 884.C50US1												



US PATENT DOCUMENTS				
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date if Appropriate
	US-2003/0231700 A1	12/18/2003	Alamouti, S., et al.	05/08/2003

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		BURG, A., et al., "Low Complexity Frequency Domain Equalization of MIMO Channels with Applications to MIMO-CDMA Systems", <u>Vehicular Technology Conference (VTC 2003)</u> , Vol 1, (October 6, 2003), 468-472	
		OGAWA, Y., et al., "A MIMO-OFDM System for High-Speed Transmission", <u>Vehicular Technology Conference</u> , (VTC 2003), Vol. 1, (October 6, 2003), 493-497	
		WU, S., et al., "Multiple Phase Noise Correction for OFDM/SDMA", <u>IEEE Global Telecommunications (GLOBECOM 2003)</u> , Vol 7(7), (December 1, 2003), 1311-1315	

EXAMINER

DATE CONSIDERED